

DuPont 20 Series 2020T Specialty Polyethylene Resin

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

DuPont 2020T and 2020 specialty low density polyethylene resins are products characterized by low melt index and intermediate crystallinity. These products, produced via a unique polymerization process, have a well earned reputation for processability and outstanding flexibility and environmental stress crack resistance. DPE 2020T and 2020 are identical products with DPE 2020T passing a "tube defect" specification that is not required for DPE2020. Typical Applications: Extruded squeeze tubes for personal care, cosmetic, and pharmaceutical applications; Tube shoulders providing headers for LDPE, HDPE and coextruded squeeze tubes; Low pressure water and air tubing; Rotational molding fittings; Molding of small bottles, caps, seals, etc. for medical, personal care and other applications. Features & Benefits: Superior resistance to environmental stress cracking; High flexibility; Good heat stability; Excellent color; Odor free; Excellent chemical resistance; Tasteless; Nontoxic. Each lot of DPE 2020T passes an internal tube imperfection specification. Information provided by DuPont Packaging Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-20-Series-2020T-Specialty-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in ³	ASTM D792
Melt Flow	1.1 g/10 min @Load 2.16 kg, Temperature 190 °C	1.1 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	51	51	ASTM D2240
Tensile Strength, Ultimate	18.6 MPa	2700 psi	ASTM D638
Tensile Strength, Yield	9.60 MPa	1390 psi	ASTM D638
Elongation at Break	620 %	620 %	ASTM D638
Modulus of Elasticity	0.186 GPa	27.0 ksi	ASTM D638
Flexural Modulus	0.238 GPa	34.5 ksi	ASTM D790
Izod Impact, Notched	NB	NB	ASTM D256
	0.430 J/cm @Temperature -40.0 °C	0.806 ft-lb/in @Temperature -40.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	93.0 °C	199 °F	Freezing Point via DSC/ASTM D3418

Thermal Properties	109 °C Metric	228 °F English	Upon Melting via DSC/ASTM D3418 Comments
Deflection Temperature at 0.46 MPa (66 psi)	44.0 °C	111 °F	ASTM D648
Vicat Softening Point	97.0 °C	207 °F	ASTM D1525
Brittleness Temperature	<= -76.0 °C	<= -105 °F	ASTM D746

Optical Properties	Metric	English	Comments
Refractive Index	1.51	1.51	ASTM D542

Processing Properties	Metric	English	Comments
Nozzle Temperature	193 °C	379 °F	Typical die temp for tube extrusion.
Melt Temperature	188 °C	370 °F	tube extrusion

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China