

Solvay Specialty Polymers Halar® 558 Ethylene Chlorotrifluoroethylene Copolymer (ECTFE)

Category : Polymer , Thermoplastic , Fluoropolymer , ETFE/ECTFE , ECTFE Fluoropolymer

Material Notes:

Halar® 558 fluoropolymer is a resin grade for foam extrusion applications, including primary insulations, coaxial cable cores, cross-webs, fire alarm cable, jackets, and foam tubing. Like other grades of Halar® resin, this grade of resin offers broad use temperature capability, from cryogenic temperatures to 150°C, and excellent chemical resistance to a wide variety of acids, bases and organic solvents. Cables incorporating Halar® 558 have met the fire performance requirements called out in NFPA 90a ("Standard for Air-Conditioning and Ventilating Systems"). To meet these requirements they must pass NFPA 262 Standard Method of Test for Flame Travel and Smoke of Wire and Cables.

Features: Acid Resistant; Base Resistant; Good Chemical Resistance; Nucleated; Solvent Resistant

Uses: Cable Jacketing; Electronic Insulation; Foam; Tubing

Additional Properties: Crosshead Temperature - 254 °C; Die Holder Temperature - 246 °C; Flange Temperature - 252 °C; Flange Temperature - 252 °C; Throat Temperature - 243 °C

Information provided by Solvay Specialty Polymers.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Halar-558-Ethylene-Chlorotrifluoroethylene-Copolymer-ECTFE.php

Physical Properties	Metric	English	Comments
Density	1.68 g/cc	0.0607 lb/in³	ASTM D792
Water Absorption at Saturation	<= 0.10 %	<= 0.10 %	ASTM D570

Thermal Properties	Metric	English	Comments
Melting Point	242 °C	468 °F	DSC
Flammability, UL94	V-0	V-0	
Oxygen Index	52 % @ Thickness 1.60 mm	52 % @ Thickness 0.0630 in	ASTM D2863

Processing Properties	Metric	English	Comments
Zone 1	243 °C	469 °F	
Zone 2	249 °C	480 °F	
Zone 3	263 °C	505 °F	
Zone 4	280 °C	536 °F	
Die Cooling Temperature	274 °C	525 °F	

Descriptive Properties	Value	Comments
Additive	Blowing Agent; Nucleating Agent; Processing Aid	

Agency Ratings Descriptive Properties	NEPA Code 90a; UL 444 Value	Comments
Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	Latin America	
	North America	
Form	Pellets	
Processing Technique	Foam Extrusion	

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