

Advanced Polymer Alloys DuraGrip™ DGR 6170 NC Thermoplastic Elastomer (TPE)

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

DuraGrip® DGR 6170 is offered in an NC (colorable) version, and is designed to chemically bond to a wide variety of thermoplastic substrates including ABS, PC, Nylon 6, Nylon 6/6, glass filled Nylon, ASA, PC/ABS alloys, PBT, and PC/PBT alloys. It is easy to use in injection molding and extrusion processes. DGR 6170NC has excellent elastomeric properties and soft touch feel. DuraGrip® bonding grades are hygroscopic, and for best results drying is recommended prior to use. Information provided by Advanced Polymer Alloys

Order this product through the following link:

http://www.lookpolymers.com/polymer_Advanced-Polymer-Alloys-DuraGrip-DGR-6170-NC-Thermoplastic-Elastomer-TPE.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	ASTM D471
Viscosity	420000 cP	420000 cP	ASTM D3835
	@Shear Rate 300 1/s, Temperature 190 °C	@Shear Rate 300 1/s, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	68	68	5 Sec; ASTM D2240
Tensile Strength at Break	9.198 MPa	1334 psi	ASTM D412
Elongation at Break	420 %	420 %	ASTM D412
100% Modulus	0.00280 GPa	0.406 ksi	ASTM D412
Graves Tear Strength	43.8 kN/m	250 pli	Die C; ASTM D624
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Compression Set	22 %	22 %	after 22 Hr At 24°C; ASTM D395
Tensile Set	5.0 %	5.0 %	ASTM D412

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-65.0 °C	-85.0 °F	ASTM D746

Descriptive Properties	Value	Comments
Color	N,B	

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