

Advanced Polymer Alloys DuraGrip™ DGR 6160 NC Thermoplastic Elastomer (TPE)

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

DuraGrip® DGR 6160 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 6160NC 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-6160-NC-Thermoplastic-Elastomer-TPE.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	ASTM D471
Viscosity	354000 cP	354000 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	60	60	5 Sec; ASTM D2240
Tensile Strength at Break	6.60 MPa	957 psi	ASTM D412
Elongation at Break	350 %	350 %	ASTM D412
100% Modulus	0.00220 GPa	0.319 ksi	ASTM D412
Graves Tear Strength	34.9 kN/m	199 pli	Die C; ASTM D624
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Compression Set	21 %	21 %	after 22 Hr At 24°C; ASTM D395
Tensile Set	4.0 %	4.0 %	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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