

Advanced Polymer Alloys DuraGrip™ DGR 6040 NCHT Thermoplastic Elastomer (TPE)

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Olefinic Elastomer (TPO)

Material Notes:

DuraGrip® DGR 6040NCHT is a general purpose Thermoplastic Elastomer (TPE) designed to process easily in injection molding and extrusion. It features excellent soft touch feel with improved surface tack that produces superior grip qualities. DGR 6040NCHT, will bond to olefinics, and is easily colored. DuraGrip® DGR 6040NCHT is not hygroscopic and under normal conditions does not require drying. Information provided by Advanced Polymer Alloys

Order this product through the following link:

http://www.lookpolymers.com/polymer_Advanced-Polymer-Alloys-DuraGrip-DGR-6040-NCHT-Thermoplastic-Elastomer-TPE.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.990 g/cc	0.990 g/cc	ASTM D471; ISO 2781
Viscosity	127000 cP	127000 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	40	40	Time of 5 seconds; ASTM D2240; ISO 48
Tensile Strength, Ultimate	4.96 MPa	720 psi	ASTM D412; ISO 37
Elongation at Break	751 %	751 %	ASTM D412; ISO 37
100% Modulus	0.00121 GPa	0.175 ksi	ASTM D412; ISO 37

Processing Properties	Metric	English	Comments
Processing Temperature	216 °C	420 °F	

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