

Advanced Polymer Alloys DuraGrip™ 6140 NC Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

DuraGrip® 6140NC is an enhanced bonding and adhesion grade Thermoplastic Elastomer (TPE) designed for injection molding and extrusion processes. It will bond well with polycarbonate, polycarbonate alloys, ABS, ASA, acrylics, cellulose, and some nylons in insert molding, co-injection molding and coextrusion processes. DuraGrip® 6140NC is hygroscopic and requires drying at 150°F for 3-4 hours for optimum aesthetics, properties and adhesion. Information provided by Advanced Polymer Alloys

Order this product through the following link:

http://www.lookpolymers.com/polymer_Advanced-Polymer-Alloys-DuraGrip-6140-NC-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.03 g/cc	1.03 g/cc	ASTM D471
Viscosity	374000 cP	374000 cP	ASTM D3835
	@Shear Rate 294 1/s, Temperature 190 °C	@Shear Rate 294 1/s, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45	45	5 Sec; ASTM D2240
Tensile Strength at Break	2.96 MPa	430 psi	ASTM D412
Elongation at Break	410 %	410 %	ASTM D412
100% Modulus	0.00117 GPa	0.170 ksi	ASTM D412
300% Modulus	0.00207 GPa	0.300 ksi	ASTM D412
Graves Tear Strength	16.5 kN/m	94.0 pli	Die C; ASTM D624
	@Temperature 24.0 °C	@Temperature 75.2 °F	

Processing Properties	Metric	English	Comments
Melt Temperature	180 - 230 °C	356 - 446 °F	

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