

## Advanced Polymer Alloys DuraGrip™ DGR 6150 NC Thermoplastic Elastomer (TPE)

Category : Polymer , Thermoplastic , Elastomer, TPE

### Material Notes:

DuraGrip® DGR 6150 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 6150NC 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-6150-NC-Thermoplastic-Elastomer-TPE.php](http://www.lookpolymers.com/polymer_Advanced-Polymer-Alloys-DuraGrip-DGR-6150-NC-Thermoplastic-Elastomer-TPE.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.06 g/cc	1.06 g/cc	ASTM D471
Viscosity	327000 cP	327000 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	52	52	5 Sec; ASTM D2240
Tensile Strength at Break	5.90 MPa	855 psi	ASTM D412
Elongation at Break	360 %	360 %	ASTM D412
100% Modulus	0.00180 GPa	0.261 ksi	ASTM D412
Graves Tear Strength	29.8 kN/m	170 pli	Die C; ASTM D624
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Compression Set	19 %	19 %	after 22 Hr At 24°C; ASTM D395
Tensile Set	3.0 %	3.0 %	ASTM D412

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-68.0 °C	-90.4 °F	ASTM D746

Descriptive Properties	Value	Comments
Color	N,B	

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