

## Diamond Polymers NPP 60-908 Polyester Copolymer

Category : Polymer , Thermoplastic , Polyester, TP

### Material Notes:

Information Provided by Diamond Polymers, Inc. & Network Polymers, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Diamond-Polymers-NPP-60-908-Polyester-Copolymer.php](http://www.lookpolymers.com/polymer_Diamond-Polymers-NPP-60-908-Polyester-Copolymer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.23 g/cc	1.23 g/cc	ASTM D792
Water Absorption	0.35 %	0.35 %	Equilibrium; ASTM D570
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	0.15 %	0.15 %	ASTM D570
	@Temperature 23.0 °C, Time 86400 sec	@Temperature 73.4 °F, Time 24.0 hour	
Melt Flow	3.0 g/10 min	3.0 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 200 °C	@Load 11.0 lb, Temperature 392 °F	
	12 g/10 min	12 g/10 min	ASTM D1238
	@Load 3.80 kg, Temperature 230 °C	@Load 8.38 lb, Temperature 446 °F	
	78 g/10 min	78 g/10 min	ASTM D1238
	@Load 1.20 kg, Temperature 300 °C	@Load 2.65 lb, Temperature 572 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	103	103	ASTM D785
Tensile Strength, Yield	45.0 MPa	6530 psi	chs 2.0 in/min; ASTM D638
Elongation at Break	340 %	340 %	ASTM D638
Elongation at Yield	5.0 %	5.0 %	ASTM D638
Flexural Modulus	1.80 GPa	261 ksi	chs 0.05 in/min; tangent; ASTM D790
Izod Impact, Notched	NB	NB	ASTM D256
	@Thickness 3.17 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	
Gardner Impact	>= 36.2 J	>= 26.7 ft-lb	ASTM D5420
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Mechanical Properties	Metric	English	Comments
	$\geq 36.2 \text{ J}$	$\geq 26.7 \text{ ft-lb}$	ASTM D5420
	@Temperature -17.8 °C	@Temperature -0.0400 °F	
	$\geq 36.2 \text{ J}$	$\geq 26.7 \text{ ft-lb}$	ASTM D5420
	@Temperature -28.9 °C	@Temperature -20.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	75.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	41.7 $\mu\text{in}/\text{in}\cdot\text{°F}$	ASTM D696

Optical Properties	Metric	English	Comments
Haze	1.0 %	1.0 %	ASTM D1003
Transmission, Visible	91 %	91 %	ASTM D1003

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China