

NYCOA Polyamide 2245

Polyamide + TPE

Nycoa (Nylon Corporation of America)

Message:

NYCOA 2245 is a highly flexible Nylon copolymer TPE developed for both injection molding and extrusion applications. The chemical composition of NYCOA 2245 delivers improved impact performance at ambient or low temperatures, and increased flexibility to meet higher impact performance. The high thermal and chemical resistance, inherent to Nylon 6, is retained. The chemistry of the resin promotes good adhesion to olefins and other materials, without the problem of migration associated with the use of plasticizers. In addition, its high melt viscosity and melt strength provides outstanding processability for tubing, profile, sheet, and monofilament. This product is available with custom additive packages: heat stabilizer, UV stabilizer, flame retardant and custom colors.

General Information	
Features	Impact resistance, high Workability, good Good melt strength Good flexibility Good adhesion Low temperature impact resistance Good chemical resistance Heat resistance, high Viscosity, High
Uses	monofilament Pipe fittings Sheet Profile
Appearance	Available colors
Forms	Particle
Processing Method	Extrusion Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.01	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	1.0	%	ASTM D955
Transverse flow	1.2	%	ASTM D955
Water Absorption (24 hr)	1.1	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	63		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	42.1	MPa	ASTM D638

Tensile Elongation ² (Break)	400	%	ASTM D638
Flexural Modulus ³	448	MPa	ASTM D790
Flexural Strength ⁴	20.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (6.35 mm)	750	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	205	°C	DSC
Additional Information			

The value listed as Melting Point DSC, was tested in accordance with ASTM D789.

NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	50 mm/min		
4.	50 mm/min		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

