

Lanxess Durethan® AKV 35 CX H2.0 900876 Nylon 66, Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 40% Glass Fiber Filled

Material Notes:

PA 66, 35% glass fibers, injection molding, heat-aging stabilized Information provided by LANXESS.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lanxess-Durethan-AKV-35-CX-H20-900876-Nylon-66-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.413 g/cc	1.413 g/cc	ISO 1183
Linear Mold Shrinkage, Flow	0.00070 cm/cm	0.00070 in/in	Post-shrinkage, 60x60x2; 120Å°C; 4 hour; ISO 294-4
	0.0030 cm/cm	0.0030 in/in	60x60x2; 290Å°C / MT 80Å°C; 600 bar; ISO 294-4
Linear Mold Shrinkage, Transverse	0.00070 cm/cm	0.00070 in/in	Post-shrinkage, 60x60x2; 120Å°C; 4 hour; ISO 294-4
	0.0090 cm/cm	0.0090 in/in	60x60x2; 290Å°C / MT 80Å°C; 600 bar; ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	197 MPa	28600 psi	d.a.m.; ISO 527-1, -2; 5 mm/min
Elongation at Break	2.8 %	2.8 %	d.a.m.; ISO 527-1, -2; 5 mm/min
Tensile Modulus	11.0 GPa	1600 ksi	d.a.m.; ISO 527-1, -2; 1 mm/min
Flexural Strength	296 MPa	42900 psi	d.a.m., 2 mm/min; ISO 178-A
	@Strain 3.20 %	@Strain 3.20 %	
Flexural Modulus	10.9 GPa	1580 ksi	d.a.m., 2 mm/min; ISO 178-A
Izod Impact, Notched (ISO)	10.0 kJ/mÅ²	4.76 ft-lb/inÅ²	d.a.m.; ISO 180-1A
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Izod Impact, Unnotched (ISO)	58.0 kJ/mÅ²	27.6 ft-lb/inÅ²	ISO 180-1U

Thermal Properties	Metric	English	Comments
Melting Point	260 Å°C	500 Å°F	10Å°C/min; ISO 11357-1, -3
Deflection Temperature at 1.8 MPa (264 psi)	>= 240 Å°C	>= 464 Å°F	ISO 75-1, -2

Processing Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Melt Temperature Processing Properties	280 - 300 Â°C Metric	536 - 572 Â°F English	Comments
	290 Â°C	554 Â°F	for test specimens; ISO 294
Mold Temperature	80.0 Â°C	176 Â°F	for test specimens; ISO 294
	80.0 - 120 Â°C	176 - 248 Â°F	
Drying Temperature	80.0 Â°C	176 Â°F	
Dry Time	2 - 6 hour	2 - 6 hour	
Moisture Content	0.020 - 0.070 %	0.020 - 0.070 %	residual; Karl Fischer Test

Descriptive Properties	Value	Comments
ISO Shortname	ISO 1874-PA 66, GHR, 12-110, GF35	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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