

Duratuf™ 903U2/X

Acetal (POM) Homopolymer
Technical Polymers, LLC

Message:

Duratuf™903U2/X is a polyoxymethylene (POM) homopolymer material. This product is available in North America and is processed by injection molding.
Duratuf™The main features of 903U2/X are:
flame retardant/rated flame
low viscosity
UV stability

General Information			
Additive	UV stabilizer		
Features	Low viscosity		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	62.1	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	75	%	ASTM D638
Flexural Modulus (23°C)	2790	MPa	ASTM D790
Flexural Strength (23°C)	72.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	163	°C	ASTM D648
1.8 MPa, not annealed	93.3	°C	ASTM D648
Melting Temperature	178	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Additional Information			
Tensile Elongation, ASTM D638: >75%			
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	2.0 - 4.0	hr	
Processing (Melt) Temp	210 - 221	°C	
Mold Temperature	79.4 - 98.9	°C	
Injection Rate	Moderate-Fast		

Back Pressure	0.103 - 0.689	MPa
Screw Speed	50 - 100	rpm
Clamp Tonnage	3.4 - 5.5	kN/cm ²
Cushion	6.35 - 12.7	mm
Screw L/D Ratio	20.0:1.0	
Screw Compression Ratio	2.5:1.0	

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

