

EFRHATAN 86

Polyurethane (Polyether based)

Crosspolimeri S.p.A.

Message:

EFRHATAN 86 is a modified polyurethane (PUR).
EFRHATAN 86 is ether based, it is suitable for technical sheathing.

General Information			
Uses	Cable Jacketing		
	Wire & Cable Applications		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	86		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	44.0	MPa	ISO 527-2
Tensile Strain (Break)	650	%	ISO 527-2
Abrasion Resistance	36.0	mm ³	DIN 53516
Cold Flexibility	-23	°C	ISO 458
Service Temperature	80	°C	
Thermal Stability	1	hr	ISO 182
Resistance Against Saponification	< 200	mg KOH/g	HD 22.10 S1
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	> 60	kN/m	DIN 53515
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (100°C, 168 hr)	< 30	%	UL 1581
Change in Tensile Strain at Break in Air (100°C, 168 hr)	< 30	%	UL 1581
Change in Tensile Stress (18°C, 121 hr, in ASTM #2 Oil)	< 30	%	UL 1581
Change in Tensile Strain at Break (18°C, 121 hr, in ASTM #2 Oil)	< 30	%	UL 1581
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-2		UL 94
Oxygen Index	25	%	ISO 4589-2
Extrusion	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	3.0 to 6.0	hr	

Cylinder Zone 1 Temp.	150	°C
Cylinder Zone 2 Temp.	160	°C
Cylinder Zone 3 Temp.	175	°C
Cylinder Zone 4 Temp.	185	°C
Cylinder Zone 5 Temp.	200	°C
Die Temperature	190	°C

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

