

Rilsamid® AECV Noir P40 T8L

Polyamide 12

Arkema

Message:

Rilsamid ® AECV Noir P40 T8L is a black coloured polyamide 12. This grade is plasticized and designed for cable coating.

MAIN APPLICATIONS

Wire and cable sheathing.

General Information			
Additive	Plasticizer		
Uses	Cable Jacketing		
	Wire & Cable Applications		
Appearance	Black		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (235°C/2.16 kg)	23.0	cm ³ /10min	ISO 11357
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	63		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	26.0	MPa	
Break	65.0	MPa	
Tensile Strain			ISO 527-2
Yield	27	%	
Break	> 200	%	
Flexural Modulus	420	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	5.0	kJ/m ²	
23°C	7.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	172	°C	ISO 11357-3
Additional Information	Nominal Value		Test Method
ISO Shortname	PA12-P, KHL, 14-004		ISO 1874
Extrusion	Nominal Value	Unit	

Drying Temperature	80.0	°C
Drying Time	4.0 to 8.0	hr
Melt Temperature	240 to 260	°C

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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

