NEFTEKHIM PP 4132B (PA14D)

Polypropylene Copolymer

Nizhnekamskneftekhim Inc.

Message:

Product obtained by copolymerization of propylene with ethylene in presence of complex metalorganic catalysts.
It incorporates very high long-term thermal stability, increased thermal-oxidative degradation resistance when PP is produced, processed and PP-made articles are exploited.
Application: water supply pressure pipes, class PPR80
Technical requirements: TU 2211-136-05766801-2006

General Information			
Features	Copolymer Good Thermal Stability Oxidation Resistant		
Uses	Piping		
Forms	Pellets		
Processing Method	Pipe Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.900	g/cm³	
Apparent Density	0.48 to 0.60	g/cm³	
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/5.0 kg	0.40 to 0.70	g/10 min	
230°C/2.16 kg	0.20 to 0.40	g/10 min	
230°C/3.8 kg	0.90 to 1.5	g/10 min	
Ash Content	0.025 to 0.050	%	
Thermal Creep Temperature [1]	70 to 80	°C	
Thermal-oxidative Deterioration (150°C)	> 1	yr	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	75 to 82		
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	27.0	MPa	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus	850	MPa	ASTM D790
Thermal	**Nominal Value**	**Unit**	
Vicat Softening Temperature [2]	130 to 138	°C	
NOTE			
1.	at load 0.46 H/mm²		
2.	in liquid medium under force 10 H		

Recommended distributors for this material

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