NEFTEKHIM PP 1401D (Q30P)

Polypropylene Homopolymer

Nizhnekamskneftekhim Inc.

Message:

Product obtained by polymerization of propylene in presence of complex organic metal catalysts.
It incorporates increased long-term thermal stability, thermaloxidative degradation resistance when PP is produced, processed and PP-made articles are exploited.
Application: profiled items, pipes, extrusion, blow molding.
Technical requirements: TU 2211-136-05766801-2006

General Information	
Features	Good Thermal Stability Homopolymer Oxidation Resistant
Uses	Blow Molding Applications Piping Profiles
Forms	Pellets
Processing Method	Blow Molding Extrusion Extrusion Blow Molding Pipe Extrusion Profile Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	
Apparent Density	0.48 to 0.52	g/cm³	
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.50 to 0.90	g/10 min	ASTM D1238
Ash Content	0.025 to 0.050	%	
Thermal Creep Temperature [1]	90 to 96	°C	
Thermal-oxidative Deterioration (150°C)	15.0	day	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	82 to 95		
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	34.0	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	1300	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	100	J/m	ASTM D256

Thermal	Nominal Value	Unit
Vicat Softening Temperature [2]	150 to 154	°C

NOTE	
1.	at load 0.46 H/mm^2
2.	in liquid medium under force 10 H

Recommended distributors for this material

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