

Hanwha Total PP FE17

Polypropylene

HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

FE17 is a polyolefin compound filled with more than 70wt% non-combustible mineral, offers excellent fire resistance and minimal gas generation when burnt. In spite of high mineral loading level, it also offers good extrusion processability and bending flexibility thanks to special compatibilizer formulation. This grade is designed to be used as the core sheet layer of aluminum composite panel, which has a wide application in building walls.

General Information			
Features	Combustion Resistant		
	Flame Retardant		
	Good Flexibility		
	Good Processability		
Uses	Sheet		
	Wall Panels		
Agency Ratings	BS 476 Part 5, Class P		
	BS 476 Part 6, Class O		
	BS 476 Part 7, Class I		
	DIN 4102/A2		
	JIS A 1321 Class 2		
	KS F 2271 Class 2		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	5.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	56		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	11.8	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Thermal	Nominal Value	Unit	
Melting Temperature	110	°C	
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	160 to 170	°C	
Cylinder Zone 2 Temp.	160 to 170	°C	
Cylinder Zone 3 Temp.	160 to 170	°C	
Cylinder Zone 4 Temp.	170 to 175	°C	

Cylinder Zone 5 Temp.	170 to 175	°C
Adapter Temperature	170 to 175	°C
Die Temperature	160 to 165	°C

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