

# Appeel® 20D828

Ethylene Acrylate Monomer + TPC-ET  
DuPont Packaging & Industrial Polymers

## Message:

Appeel® 20D828 is a modified ethylene acrylate resin designed to function as a sealing layer for lidding applications. It is most often suggested to provide strong peelable seals over a broad temperature range to a number of container materials including PP, PS, PP, PVC, Aclar®, Barex®, and certain epoxy coatings. Appeel® 20D828 is available in pellet form for use in conventional extrusion and coextrusion equipment designed to process polyethylene resins.

General Information			
Features	Low temperature heat sealability		
	Good heat sealability		
Uses	Sealant		
Agency Ratings	FDA 21 CFR 175.320		
	FDA 21 CFR 176.170(c), Table 2, Cond. C		
	FDA 21 CFR 176.170(c), Table 2, Cond. D		
	FDA 21 CFR 176.170(c), Table 2, Cond. E		
	FDA 21 CFR 176.170(c), Table 2, Cond. F		
	FDA 21 CFR 176.170(c), Table 2, Cond. G		
	FDA 21 CFR 176.170(c), Table 2, Cond. H		
Forms	Particle		
Processing Method	Co-extrusion molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02	g/cm <sup>3</sup>	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	13	g/10 min	ASTM D1238, ISO 1133
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	58.0	°C	ASTM D1525, ISO 306
Peak Melting Temperature	97.0	°C	ASTM D3418, ISO 3146
Extrusion	Nominal Value	Unit	
Drying Temperature	55.0	°C	
Drying Time	5.0	hr	
Cylinder Zone 1 Temp.	160	°C	
Cylinder Zone 2 Temp.	185	°C	
Cylinder Zone 3 Temp.	210	°C	
Cylinder Zone 4 Temp.	235	°C	
Cylinder Zone 5 Temp.	235	°C	

Adapter Temperature	235	°C
Melt Temperature	180 - 240	°C
Die Temperature	235	°C

#### Extrusion instructions

Blown Film Processing Information: Feed Zone: 140°C Second Zone: 150°C Third Zone: 160°C Fourth Zone: 180°C Fifth Zone: 180°C Adapter Zone: 180°C Die Zone: 170°C

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#### Recommended distributors for this material

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